

Title (en)

Rubber compositions and articles thereof having improved metal adhesion retention.

Title (de)

Kautschukmischungen und daraus hergestellte Artikel mit dauerhafter Haftung an Metall.

Title (fr)

Compositions de caoutchouc et objets à adhésion plus durable aux métaux en résultant.

Publication

EP 0133936 A1 19850313 (EN)

Application

EP 84108422 A 19840717

Priority

US 52449683 A 19830818

Abstract (en)

[origin: US4480066A] Vulcanizable rubber compositions and articles such as tires having improved metal adhesion and metal adhesion retention to brass and brass-plated metallic reinforcement. The improvement comprises substituting at least about 10.0 parts by weight of a halogenated rubber for non-halogenated rubber present in the vulcanizable rubber composition. The non-halogenated rubber can be natural or synthetic or blends thereof. A method for improving the metal adhesion and metal adhesion retention between a vulcanizable rubber and brass or brass-plated metallic reinforcement includes the steps of blending at least about 10.0 parts by weight of a halogenated rubber with up to about 90.0 parts by weight of a vulcanizable rubber essentially free of other halogenated rubber and curing the blend of rubbers with the brass or brass-plated metallic reinforcement embedded therein.

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C08J 5/10; **C08L 21/00**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] FR 2456609 A1 19801212 - CONTINENTAL GUMMI WERKE AG [DE]
- [A] EP 0060414 A1 19820922 - FIRESTONE TIRE & RUBBER CO [US]
- [A] EP 0028702 A1 19810520 - FIRESTONE TIRE & RUBBER CO [US]
- [A] DE 2923850 A1 19801218 - PHOENIX AG

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US 4480066 A 19841030; AR 242047 A1 19930226; BR 8404123 A 19850716; CA 1227894 A 19871006; DE 3475792 D1 19890202; EP 0133936 A1 19850313; EP 0133936 B1 19881228; ES 535168 A0 19850701; ES 8505863 A1 19850701; JP S6060145 A 19850406; MX 164119 B 19920717; PT 79085 A 19840901; PT 79085 B 19860908; ZA 845479 B 19850327

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US 52449683 A 19830818; AR 29758784 A 19840815; BR 8404123 A 19840817; CA 459054 A 19840717; DE 3475792 T 19840717; EP 84108422 A 19840717; ES 535168 A 19840814; JP 16892584 A 19840814; MX 20241584 A 19840816; PT 7908584 A 19840814; ZA 845479 A 19840716